## **CLAIMS**

## WHAT IS CLAIMED IS:

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An LED package, comprising:
an LED that emits excitation light;
an optically transparent body;

- a layer of phosphor material positioned to receive the excitation light and disposed on or in the optically transparent body, the phosphor material emitting visible light when illuminated with the excitation light; and a reflective polarizer layer disposed on or in the optically transparent body positioned to receive the emitted visible light.
- 2. The LED package according to claim 1, wherein the LED is disposed within the optically transparent body.

3. The LED package according to claim 1, wherein the LED is disposed adjacent to the optically transparent body.

- 4. The LED package according to claim 1, wherein the reflective polarizer layer is disposed on the optically transparent body.
  - 5. The LED package according to claim 1, wherein the reflective polarizer layer is disposed in the optically transparent body.
- 25 6. The LED package according to claim 1, further comprising a short pass reflector disposed between the LED and the layer of phosphor material.
  - 7. The LED package according to claim 1, further comprising a long pass reflector disposed between the layer of phosphor material and the reflective polarizer.

8. The LED package according to claim 1, further comprising a short pass reflector disposed between the LED and the layer of phosphor material and a long pass reflector disposed between the layer of phosphor material and the reflective polarizer.

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- 9. The LED package according to claim 6, wherein the short pass reflector comprises polymeric material.
- 10. The LED package according to claim 7, wherein the long pass reflector10 comprises polymeric material.
  - 11. The LED package according to claim 6, wherein the short pass reflector is a non-planar short pass reflector.
- 15 12. The LED package according to claim 7, wherein the long pass reflector is a non-planar long pass reflector.
  - 13. The LED package according to claim 1, wherein the reflective polarizer comprises cholesteric material.

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- 14. The LED package according to claim 1, wherein the reflective polarizer comprises a multilayer polymeric material.
- 15. The LED package according to claim 1, wherein the reflective polarizercomprises a multilayer birefringent polymeric material.